NEW RELEASE H-540
FOR RELEASE ANYTIME
05-30-80

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TEXAS INSTRUMENTS
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DATA TERMINALS AID AIRCRAFT PARTS SEARCH

(HOUSTON, TEXAS)....Efficient inventory control in the aviation industry can reduce airplane downtime. Inventory Locator Service, Inc. of Memphis, Tennessee, and Texas Instruments are eliminating long, costly inventory searches needed to get aircraft off the ground fast. A needed part can be located within minutes with just one telephone call and the use of a Texas Instruments *Silent 700** Model 765 Portable Bubble Memory Data Terminal.

ILS collects and combines the inventories from many suppliers of new and used aircraft parts and support items. The pooled information is stored in the central ILS host computer data bank which inventories over a million available parts. Parts are referenced by part number, model number and description. In addition, the ILS data bank records the quantity of each available part and the telephone number of the company listing the part. To tie into the main data bank, ILS provides each client with a 765 Data Terminal.

With bubble memory, the time-consuming data entries can be made prior to the phone connection and stored for later batch transmission to the parts data base maintained by ILS. The TI bubble memory is capable of collecting and storing 20 thousand characters of data, with an optional expansion of up to 80 thousand characters (16-20 typewritten pages of data). If there is

(more)

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power failure or the 765 is unplugged, no information is lost because of its nonvolatile bubble memory.

Aircraft purchasing agents formerly had to place emergency orders by telephone to several supply companies each time a part was needed. Now TI's 765 Data Terminal puts them in touch with the combined inventories of a number of suppliers.

"We've saved time and money," said Gary Rafalowski of Technical Service International in Miami, "And we've found new supply contacts we never knew about before."

To obtain this data, the parts manager plugs the 765 into an electrical outlet and places a standard telephone receiver into the terminal's built-in acoustic coupler. One telephone call to the host computer locates the needed part, and the 765 Data Terminal prints the necessary information at a virtually silent 30 characters-per-second.

"In any service-oriented industry, dowtime is crucial and costly," says Minnie Ash, ILS president. "In the airline industry, it is especially difficult to estimate how many dollars are lost each time a plane is grounded. For this reason, the 765 Data Terminals are very important to the ILS custon . They are the primary tool for locating a part. For the purchasing agent, it is like classified advertising, but the 765 does the looking and much faster."

"Using the TI built-in acoustic coupler provides great cost efficiency for ILS and our customers," continues Ash, "with the acoustic coupler, ILS pays only for the time it takes to electronically transmit the data over normal telephone lines. That's a lot less costly than verbally relaying the information several times over the telephone to several different companies.

(more)

ILS users are able to realize additional savings because of the 765's off-line data entry and nonvolatile bubble memory data storage capabilities."

Contained in a small module, bubble memory is an electromagnetic circuit that stores digital information by changing the magnetic polarity of a thin crystalline film. The bubbles are actually cylindrical magnetic islands polarized in a direction opposite from the film in which they function.

"Most important to me," says Ash, "the 765 is quiet, fast and reliable. We rely on the 765 to assist our customers and reinforce our credibility." With TI's 765 and the ILS parts data base, purchasing managers don't have to make several unnecessary emergency phone calls to locate each needed part. The data terminal and ILS are offering a solution to time and money lost with grounded airplanes.

For additional information on the *Silent 700* Model 765 Portable Bubble Memory Data Terminal contact: Texas Instruments, P.O. Box 1444, M/S 778, Houston, Texas 77001 or telephone (713) 937-2016.

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